

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102320\
 Data File : BF122102.D
 Acq On : 23 Oct 2020 16:48
 Operator : JU/CG
 Sample : L4436-11 4X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 37B

Quant Time: Oct 23 17:15:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 12:04:42 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

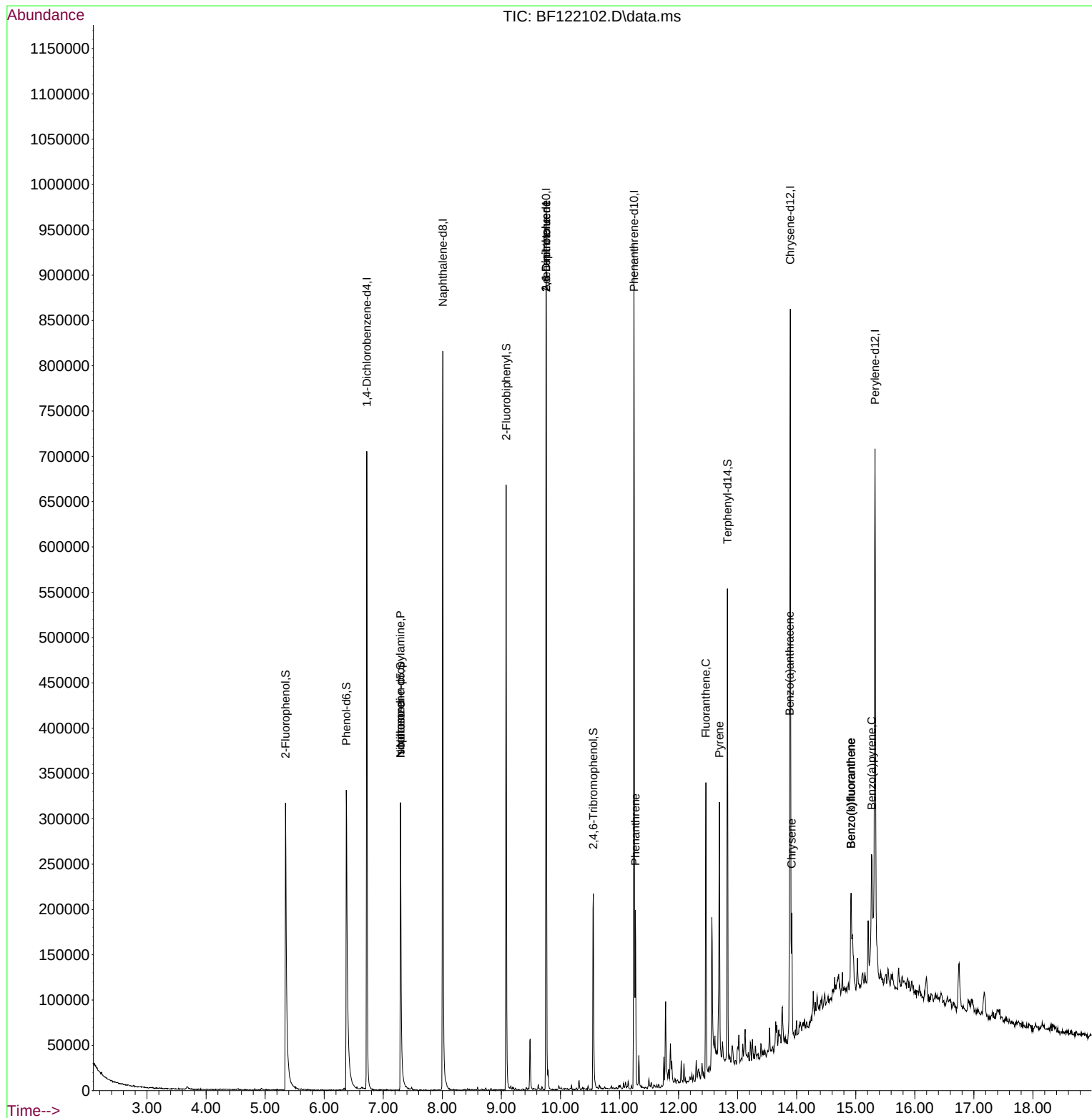
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	98379	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	396187	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	193573	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	327559	20.00	ng	0.00
76) Chrysene-d12	13.892	240	244317	20.00	ng	0.00
86) Perylene-d12	15.327	264	236340	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	150947	22.65	ng	0.00
7) Phenol-d6	6.375	99	189146	22.04	ng	0.00
23) Nitrobenzene-d5	7.292	82	126971	16.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	31246	13.05	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	194867	14.81	ng	0.00
79) Terphenyl-d14	12.827	244	140982	11.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.292	70	16408	3.36	ng	Qvalue # 82
25) Isophorone	7.292	82	126970	8.69	ng	# 67
51) 2,6-Dinitrotoluene	9.757	165	24414	7.86	ng	# 21
57) 2,4-Dinitrotoluene	9.757	165	24414	6.39	ng	# 20
71) Phenanthrene	11.269	178	74465	4.15	ng	98
75) Fluoranthene	12.463	202	122013	6.34	ng	98
78) Pyrene	12.692	202	112039	6.02	ng	98
81) Benzo(a)anthracene	13.880	228	55360	3.46	ng	98
83) Chrysene	13.915	228	46377	2.95	ng	98
88) Benzo(b)fluoranthene	14.921	252	76128	4.77	ng	# 95
89) Benzo(k)fluoranthene	14.921	252	76128	5.02	ng	# 94
90) Benzo(a)pyrene	15.268	252	41991	3.04	ng	# 94

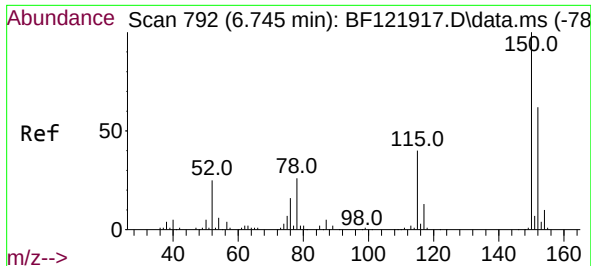
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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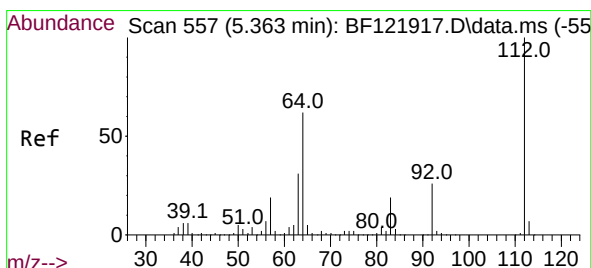
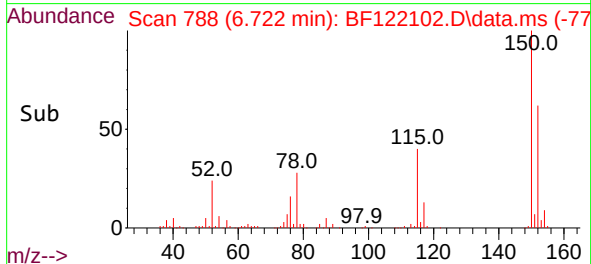
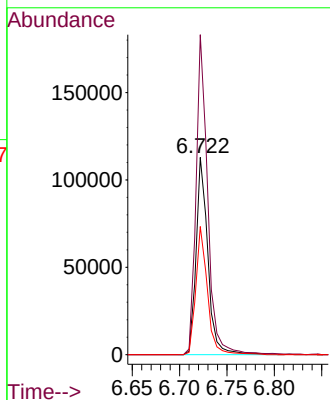
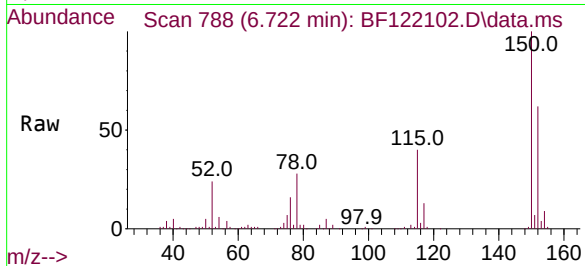




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

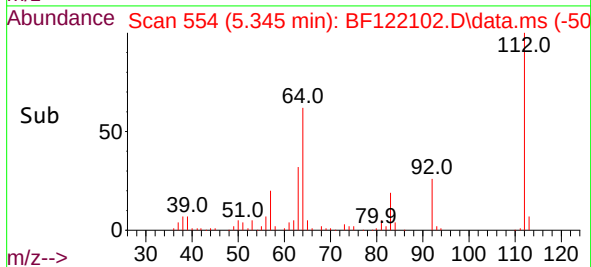
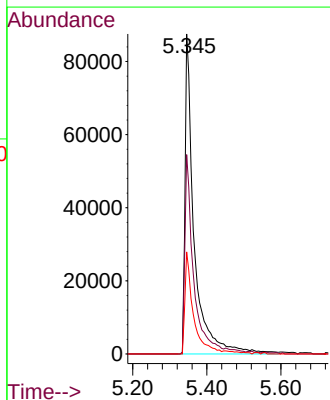
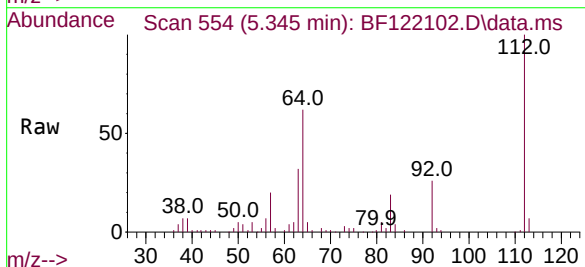
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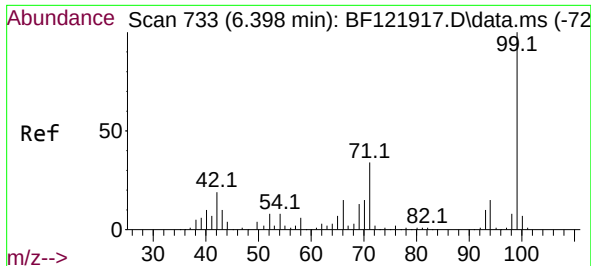
Tgt Ion:152 Resp: 98379
Ion Ratio Lower Upper
152 100
150 162.2 125.3 187.9
115 65.0 51.9 77.9



#5
2-Fluorophenol
Concen: 22.65 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

Tgt Ion:112 Resp: 150947
Ion Ratio Lower Upper
112 100
64 62.3 50.4 75.6
63 31.9 25.8 38.6

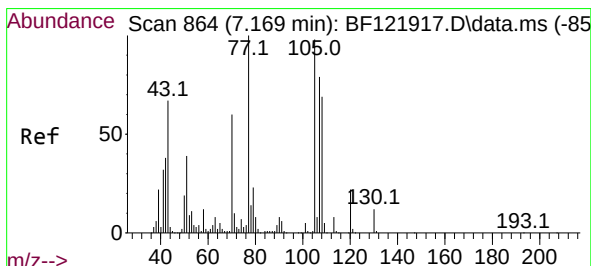
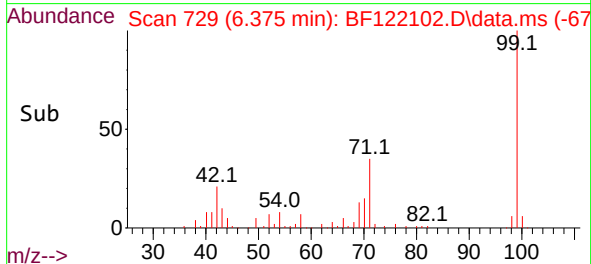
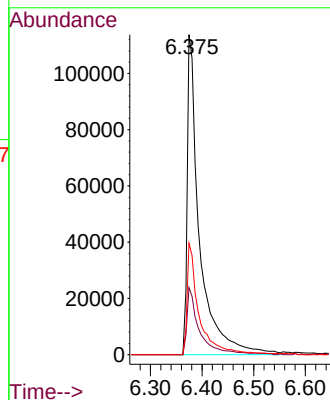
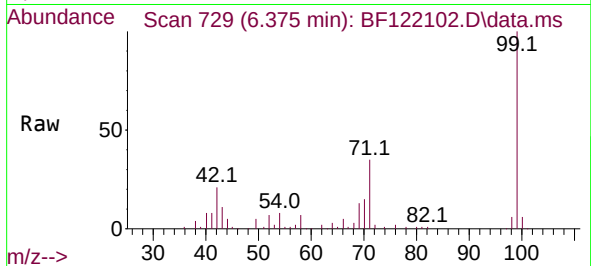




#7
Phenol-d6
Concen: 22.04 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

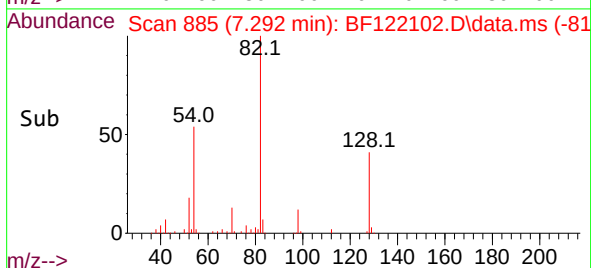
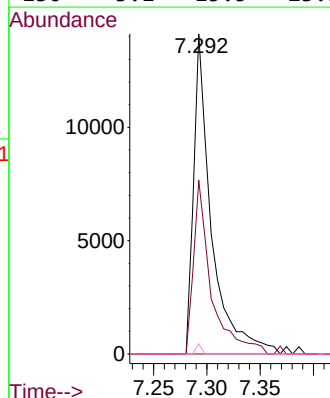
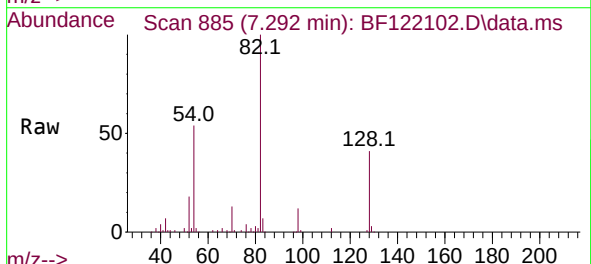
Instrument :
BNA_F
ClientSampleId :
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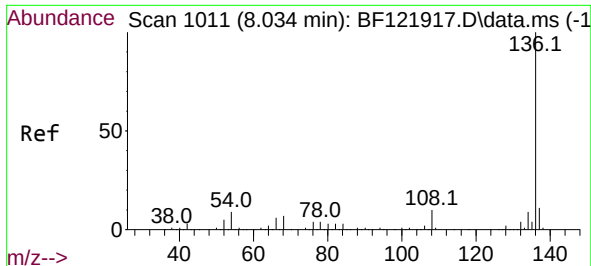
Tgt Ion: 99 Resp: 189146
Ion Ratio Lower Upper
99 100
42 21.0 15.9 23.9
71 34.8 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.36 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

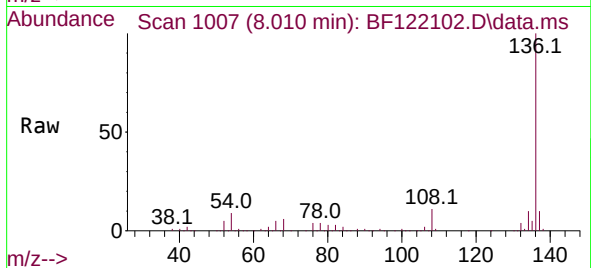
Tgt Ion: 70 Resp: 16408
Ion Ratio Lower Upper
70 100
42 54.3 50.2 75.4
101 0.0 7.5 11.3#
130 3.1 15.5 23.3#



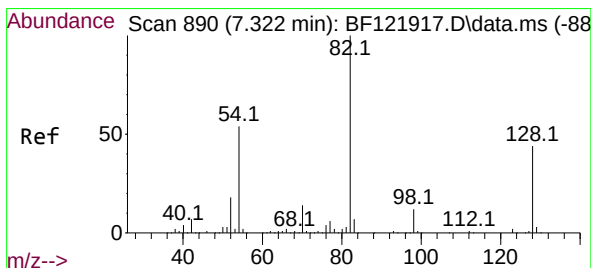
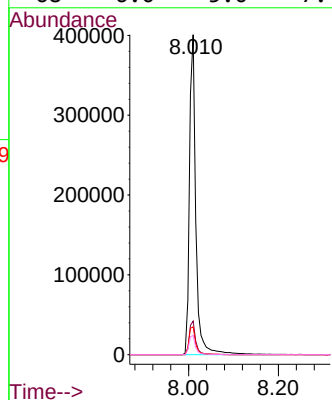
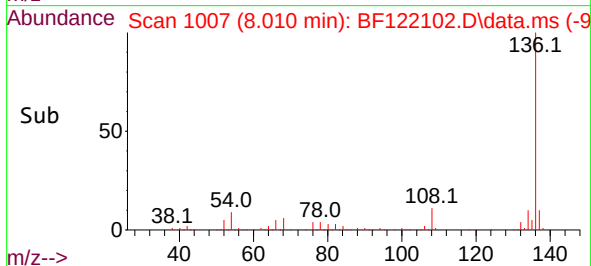


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

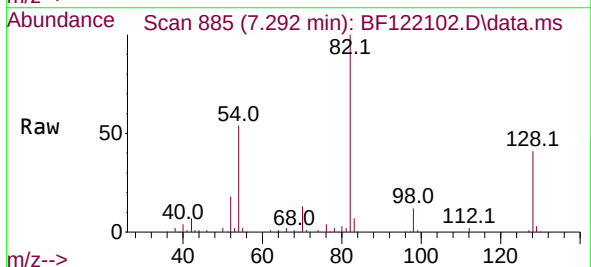
Instrument :
BNA_F
ClientSampled :
37B



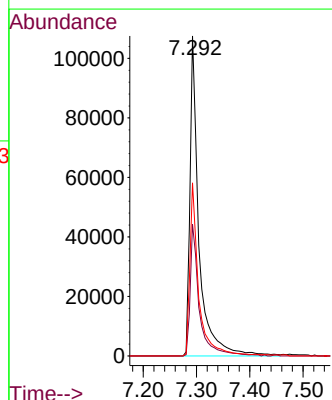
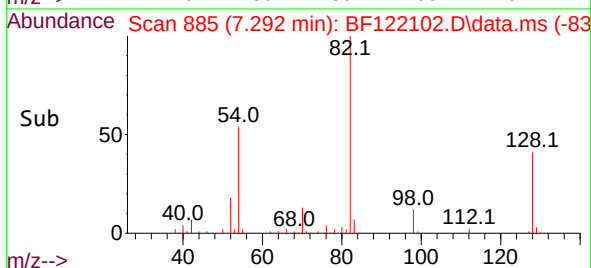
Tgt Ion:136 Resp: 396187
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.7 7.1 10.7
68 6.0 5.0 7.4

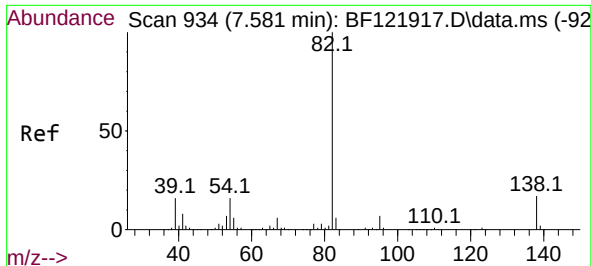


#23
Nitrobenzene-d5
Concen: 16.44 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48



Tgt Ion: 82 Resp: 126971
Ion Ratio Lower Upper
82 100
128 41.1 35.0 52.4
54 54.1 43.9 65.9

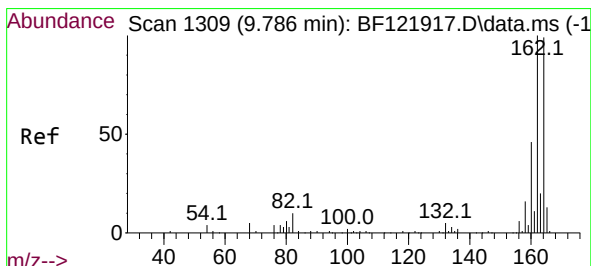
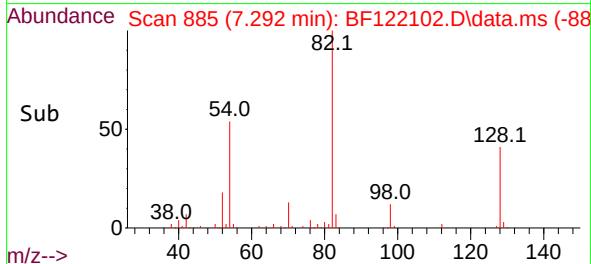
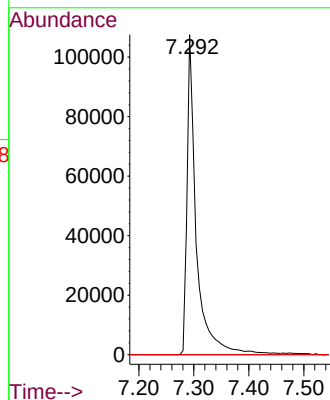
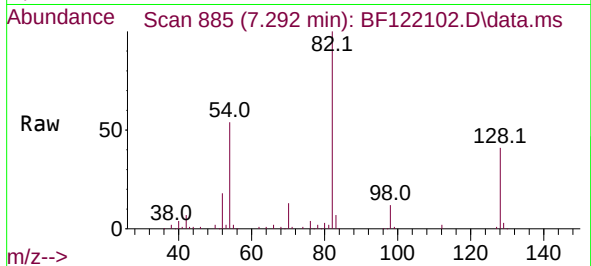




#25
Isophorone
Concen: 8.69 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

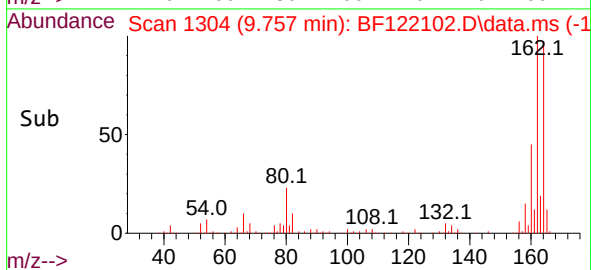
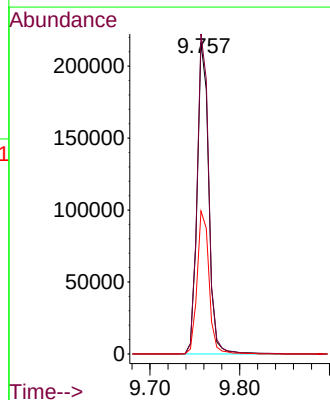
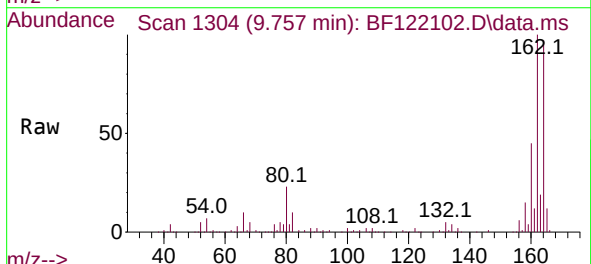
Instrument :
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ClientSampleId :
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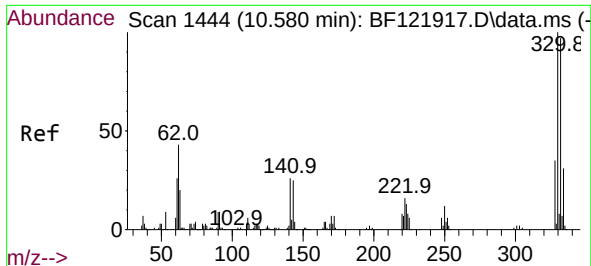
Tgt Ion: 82 Resp: 126970
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

Tgt Ion: 164 Resp: 193573
Ion Ratio Lower Upper
164 100
162 102.7 83.2 124.8
160 45.9 37.5 56.3

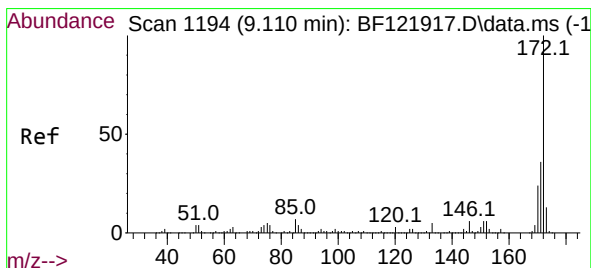
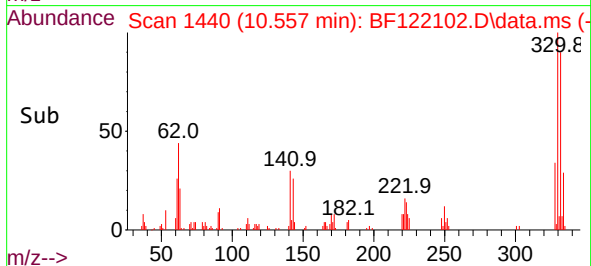
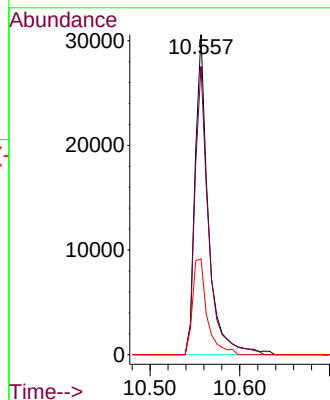
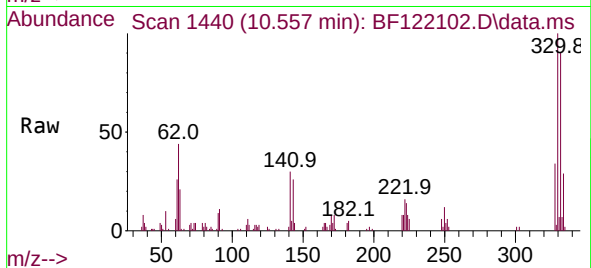




#42
2,4,6-Tribromophenol
Concen: 13.05 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

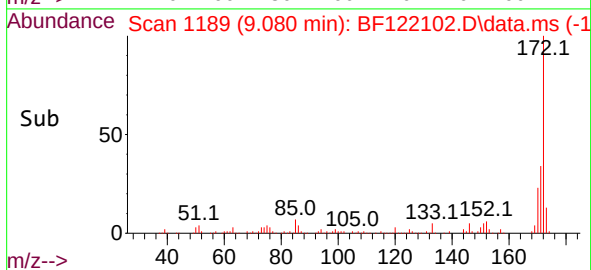
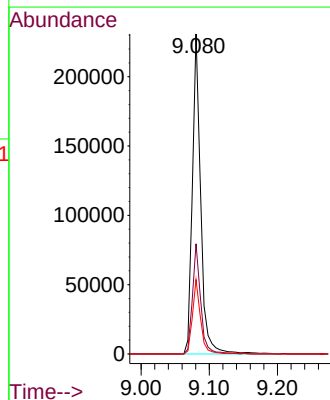
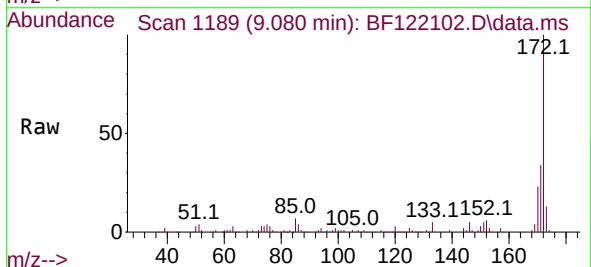
Instrument :
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ClientSampleId :
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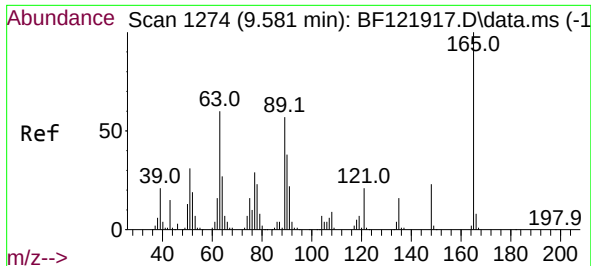
Tgt Ion:330 Resp: 31246
Ion Ratio Lower Upper
330 100
332 92.7 77.3 115.9
141 32.8 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 14.81 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

Tgt Ion:172 Resp: 194867
Ion Ratio Lower Upper
172 100
171 34.5 29.1 43.7
170 23.3 19.8 29.6

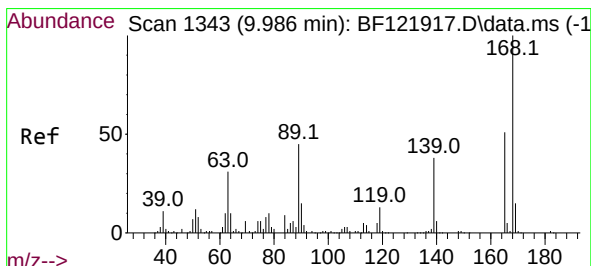
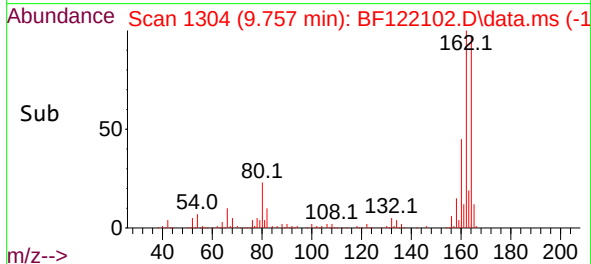
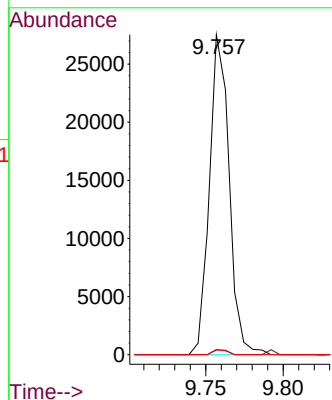
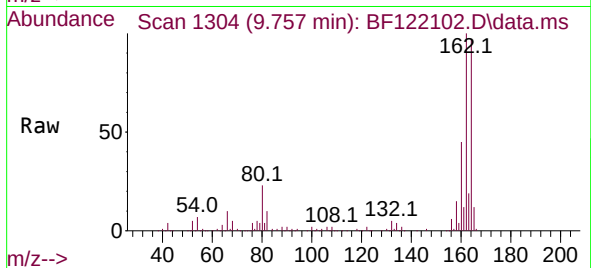




#51
2,6-Dinitrotoluene
Concen: 7.86 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.194 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

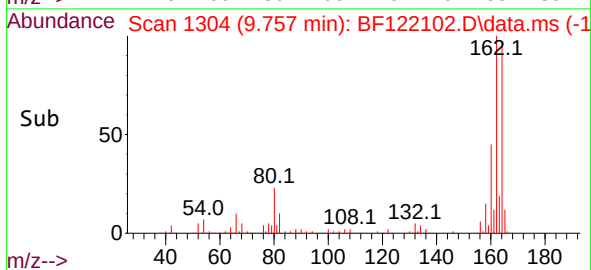
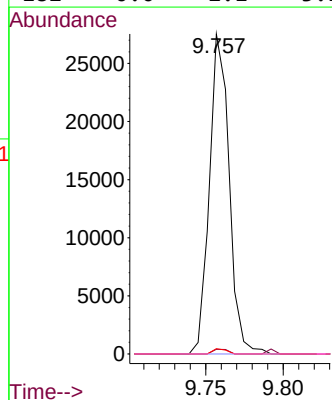
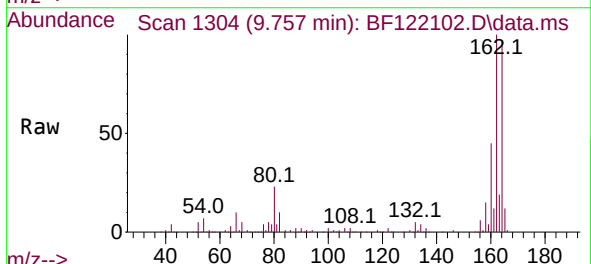
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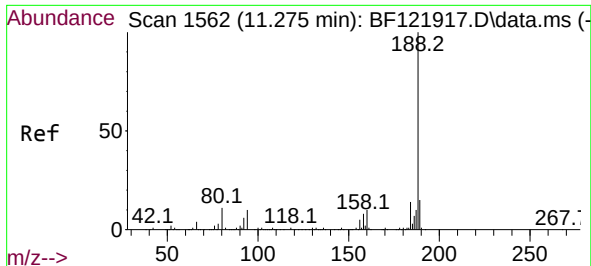
Tgt Ion:165 Resp: 24414
Ion Ratio Lower Upper
165 100
63 1.5 51.8 77.6#
89 1.6 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.39 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.218 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

Tgt Ion:165 Resp: 24414
Ion Ratio Lower Upper
165 100
63 1.5 41.3 61.9#
89 1.6 61.8 92.8#
182 0.0 2.1 3.1#

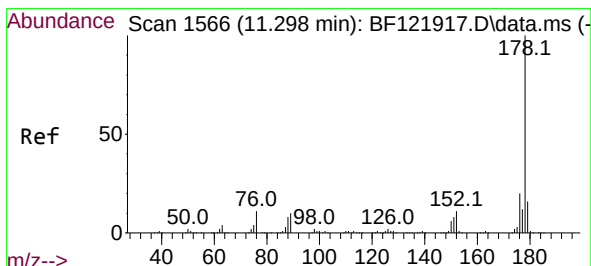
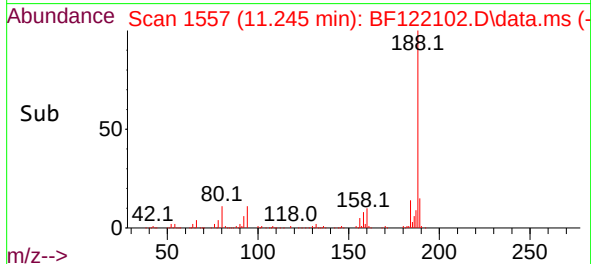
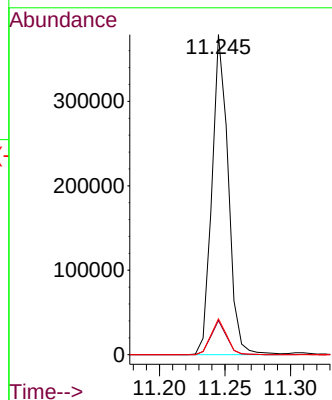
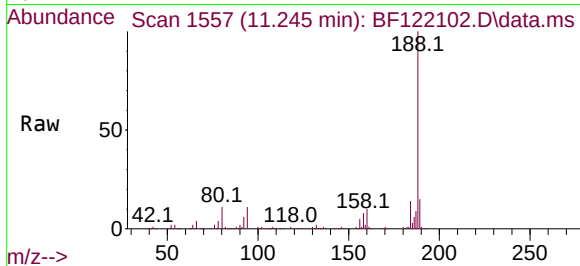




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

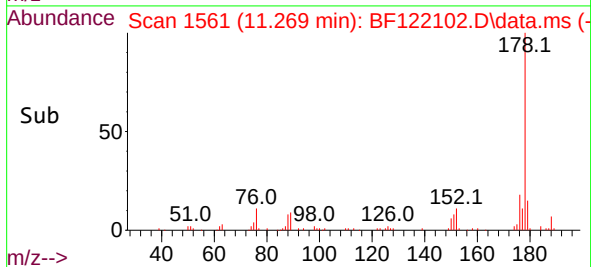
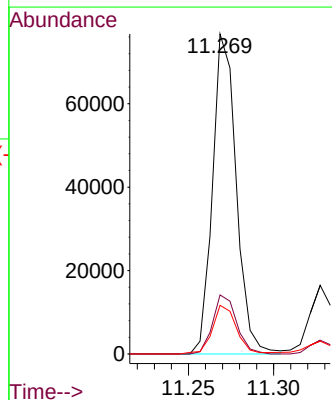
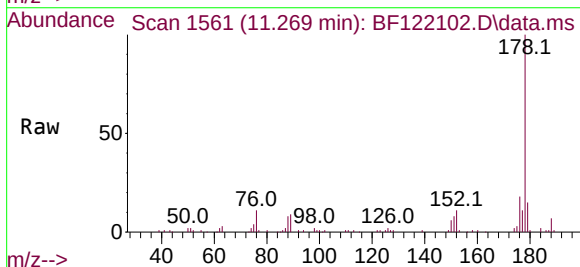
Instrument :
BNA_F
ClientSampleId :
37B

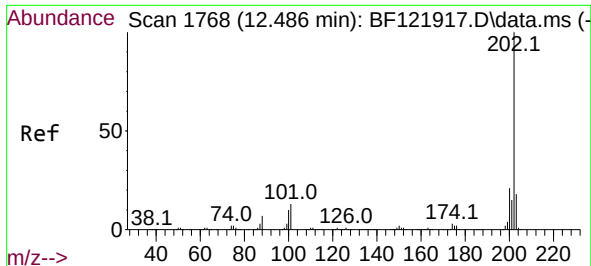
Tgt Ion:188 Resp: 327559
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.2 9.1 13.7



#71
Phenanthrene
Concen: 4.15 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

Tgt Ion:178 Resp: 74465
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.2 12.2 18.4

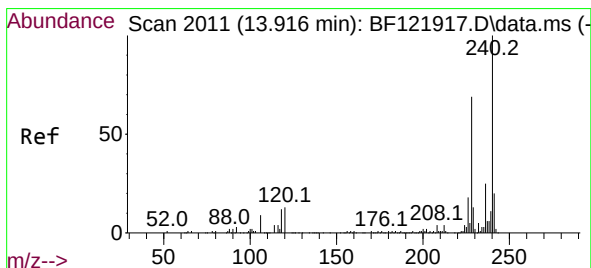
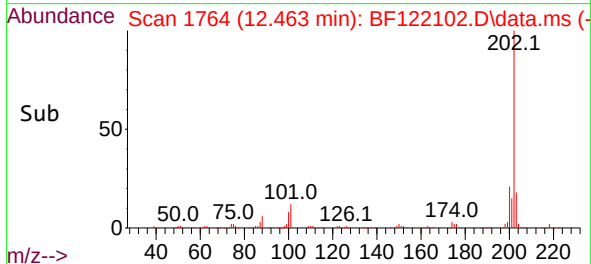
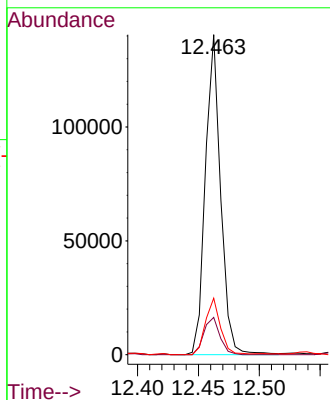
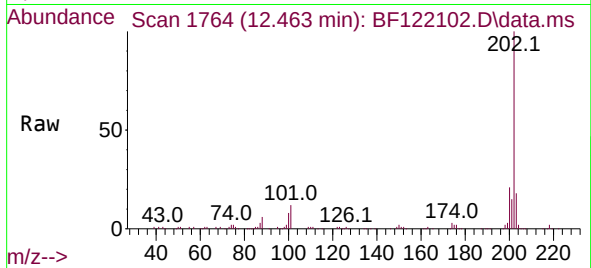




#75
Fluoranthene
Concen: 6.34 ng
RT: 12.463 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

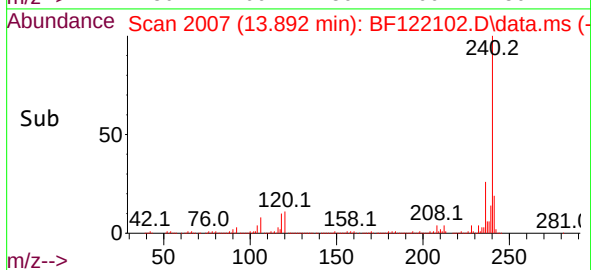
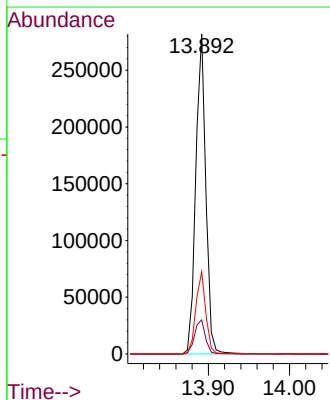
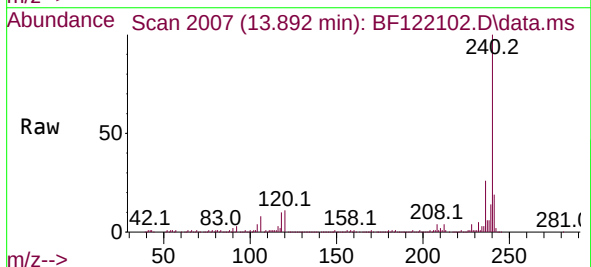
Instrument :
BNA_F
ClientSampleId :
37B

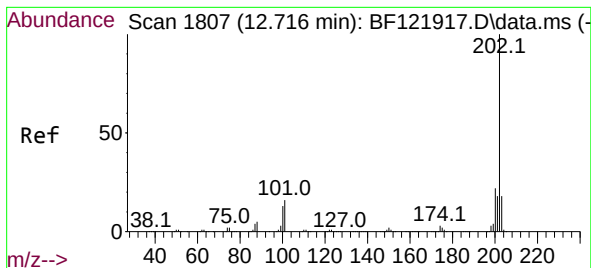
Tgt Ion:202 Resp: 122013
Ion Ratio Lower Upper
202 100
101 11.6 0.0 33.4
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

Tgt Ion:240 Resp: 244317
Ion Ratio Lower Upper
240 100
120 10.7 9.2 13.8
236 25.7 20.9 31.3





#78

Pyrene

Concen: 6.02 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.006 min

Lab File: BF122102.D

Acq: 23 Oct 2020 16:48

Instrument :

BNA_F

ClientSampled :

37B

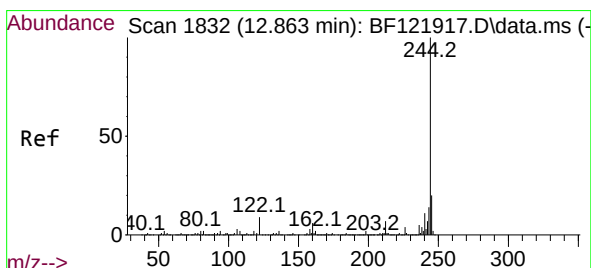
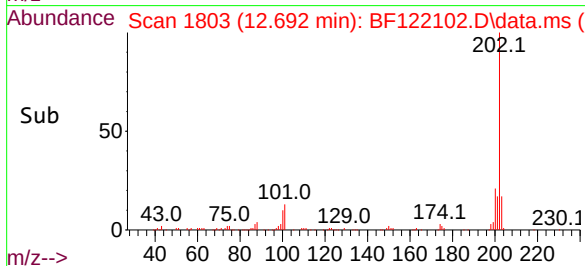
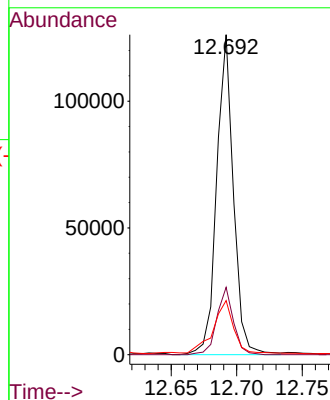
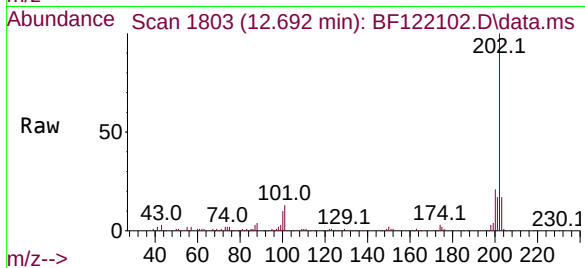
Tgt Ion:202 Resp: 112039

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 16.9 14.6 21.8



#79

Terphenyl-d14

Concen: 11.00 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF122102.D

Acq: 23 Oct 2020 16:48

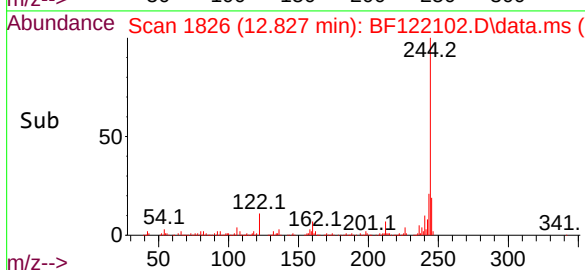
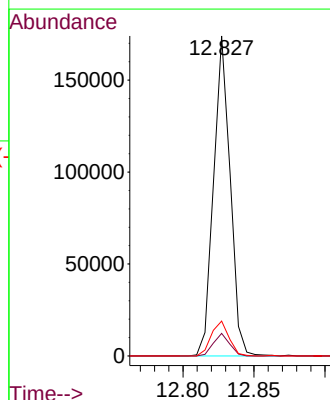
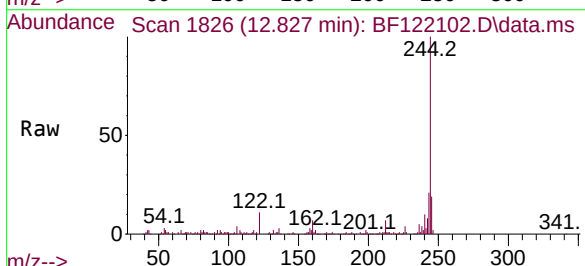
Tgt Ion:244 Resp: 140982

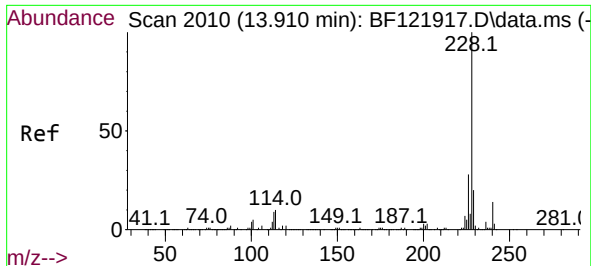
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.9 8.1 12.1

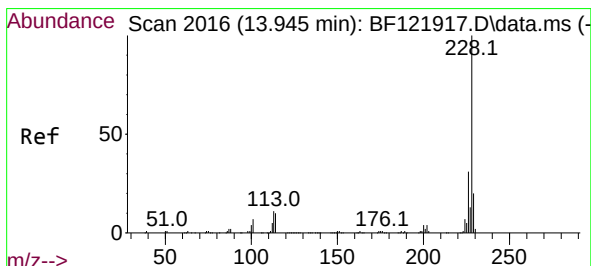
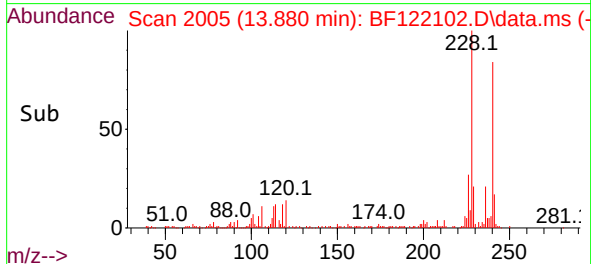
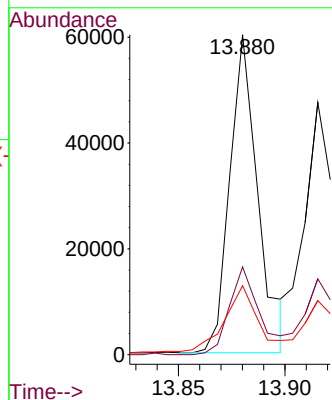
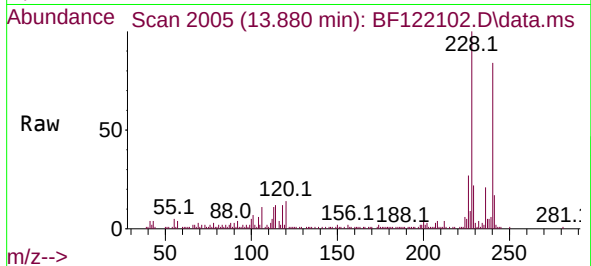




#81
Benzo(a)anthracene
Concen: 3.46 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

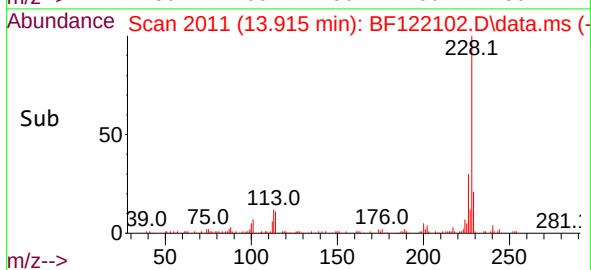
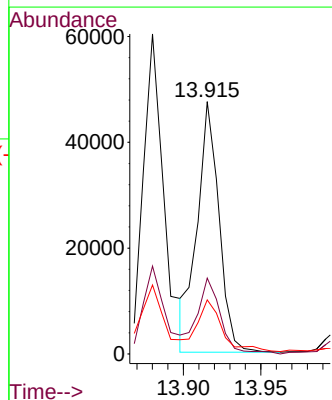
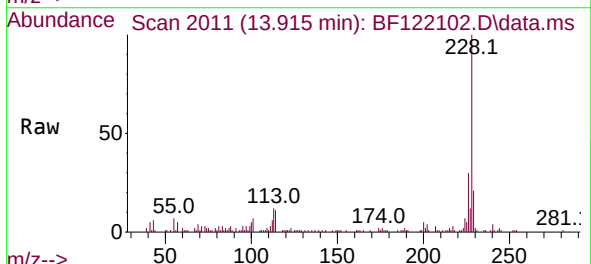
Instrument :
BNA_F
ClientSampled :
37B

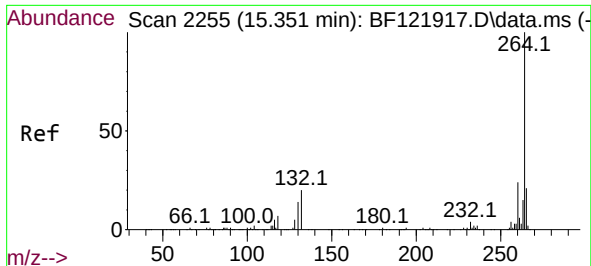
Tgt Ion:228 Resp: 55360
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 21.5 16.2 24.4



#83
Chrysene
Concen: 2.95 ng
RT: 13.915 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

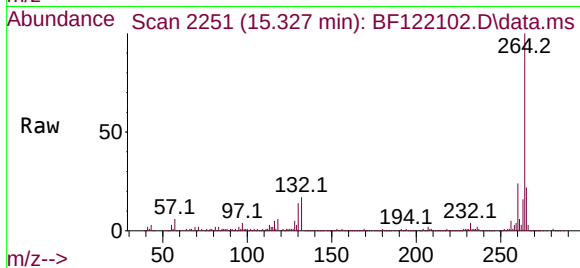
Tgt Ion:228 Resp: 46377
Ion Ratio Lower Upper
228 100
226 30.1 24.6 37.0
229 21.4 15.9 23.9



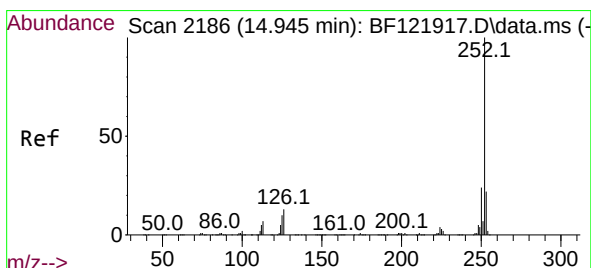
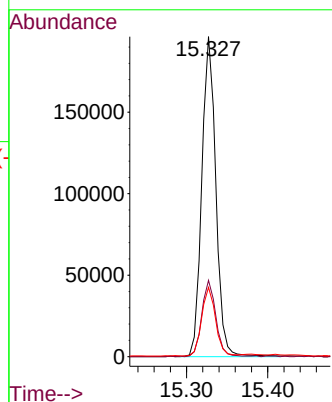
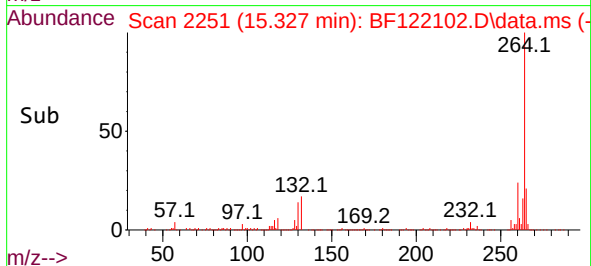


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.012 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

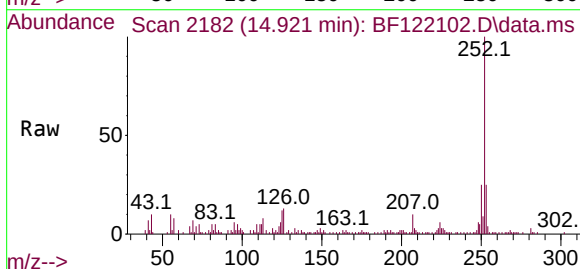
Instrument :
BNA_F
ClientSampled :
37B



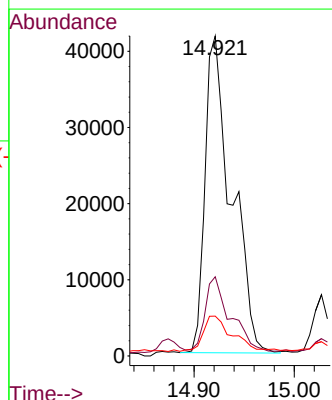
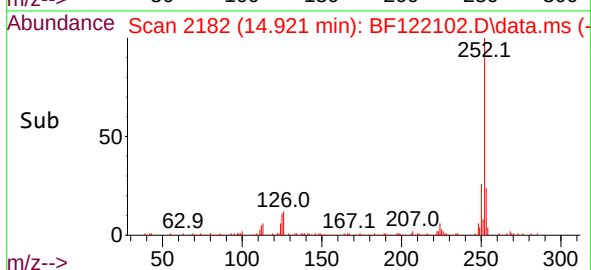
Tgt Ion:264 Resp: 236340
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.6 17.3 25.9

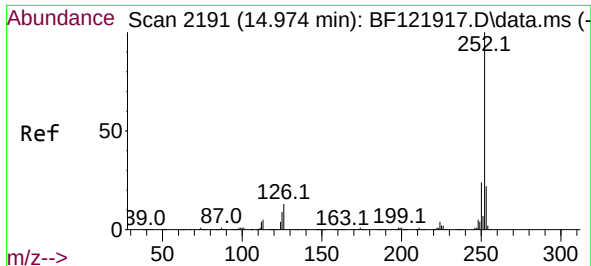


#88
Benzo(b)fluoranthene
Concen: 4.77 ng
RT: 14.921 min Scan# 2182
Delta R.T. 0.012 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48



Tgt Ion:252 Resp: 76128
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 12.4 8.0 12.0#

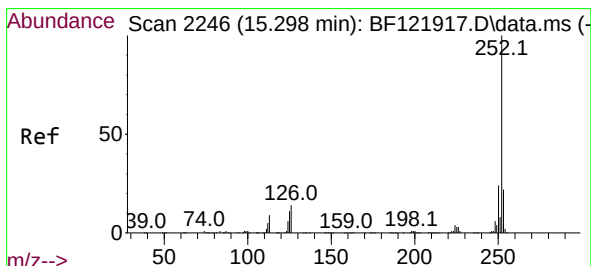
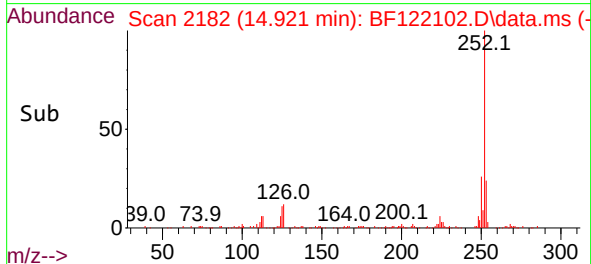
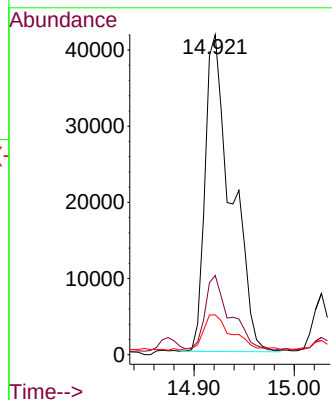
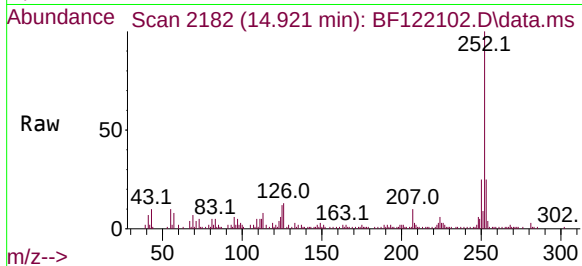




#89
Benzo(k)fluoranthene
Concen: 5.02 ng
RT: 14.921 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

Instrument :
BNA_F
ClientSampleId :
37B

Tgt Ion:252 Resp: 76128
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 12.4 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 3.04 ng
RT: 15.268 min Scan# 2241
Delta R.T. 0.012 min
Lab File: BF122102.D
Acq: 23 Oct 2020 16:48

Tgt Ion:252 Resp: 41991
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 13.7 8.6 13.0#

